Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently amended)   A method for scheduling radio resource management (RRM) algorithms on a radio link by coordinating the RRM algorithms, comprising the steps of:

~~receiving~~ gathering a plurality of events and storing the events together;

selecting a plurality of RRM algorithms to resolve the events, wherein each of the RRM algorithms in the plurality of algorithms is ~~are~~ selected based on the plurality of gathered events ~~received~~;

invoking the selected RRM algorithms, wherein input to each algorithm comprises at least one of the events and each of the events is an input for at least one of the algorithms;

analyzing results of the invoked RRM algorithms obtained in the invoking step;

determining a subset of the selected RRM algorithms, comprising at least two of the selected algorithms, the subset of algorithms to be executed to achieve an

optimal result to resolve the ~~event~~ <u>events</u> received, wherein the <u>determination of the</u> subset of RRM algorithms is based on results obtained in the analyzing step;

executing the subset of determined RRM algorithms on the radio link; and

placing the radio link into a busy state such that only one RRM algorithm <u>in the subset </u>can be executed and operate on the radio link at a time, the radio link remaining in the busy state for the duration of <u>the execution of</u> ~~an~~ <u>each </u>RRM algorithm ~~'s execution~~ <u>in the subset</u>.

2.   (Previously presented)   The method according to claim 1, wherein the executing step includes:

preparing a set of predicted measurements for use by the other RRM algorithms in the subset.

3.   (Previously presented)   The method according to claim 1, wherein the RRM algorithms include configuring a radio link.

4.   (Previously presented)   The method according to claim 1, wherein the RRM algorithms include reconfiguring an existing radio link.

5.   (Previously presented)   The method according to claim 1, wherein if the subset of RRM algorithms needs access to a radio link that is in the busy state, then performing the steps of:

setting a flag associated with the subset of RRM algorithms to indicate a pending state; and

queuing the subset of RRM algorithms to be performed at a later time.

6.   (Previously presented)   The method according to claim 5, wherein any queued RRM algorithms are performed when the radio link is in the idle state.

7.   (Original)   The method according to claim 2, wherein the set of predicted measurements is stored in a centralized database.

8.   (Previously presented)   The method according to claim 1, further comprising the step of ordering the subset of RRM algorithms, the ordering step being performed before the executing step.

9.   (Currently amended)   A method for scheduling radio resource management (RRM) algorithms by coordinating the RRM algorithms, comprising the steps of:

~~receiving an event~~ <u>gathering a plurality of events</u>, wherein at least one RRM algorithm is associated with the event;

<u>storing the events together;</u>

placing a radio link into a busy state for the duration of an RRM algorithm's execution, whereby all other RRM algorithms are denied access to the radio link until the completion of the RRM algorithm;

performing the RRM algorithm on the radio link;

preparing a set of predicted measurements for use by the other RRM algorithms; and

placing the radio link into an idle state, whereby the radio link is accessible by any RRM algorithm.

10.   (Previously presented)   The method according to claim 9, wherein the at least one RRM algorithm includes configuring a radio link.

11.   (Previously presented)   The method according to claim 9, wherein the at least one RRM algorithm includes reconfiguring an existing radio link.

12. (Previously presented) The method according to claim 9, wherein if the RRM algorithm to be performed needs access to a radio link that is in the busy state, then performing the steps of:

setting a flag associated with the RRM algorithm to indicate a pending state; and

queuing the RRM algorithm to be performed at a later time.

13. (Previously presented) The method according to claim 12, wherein any queued RRM algorithm is performed when the radio link is in the idle state.

14. (Original) The method according to claim 9, wherein the set of predicted measurements is stored in a centralized database.

15. (New) The method of claim 1, wherein the invoking step comprises invoking the selected RRM algorithms in parallel.

16. (New) The method of claim 1, wherein the invoking step comprises invoking the selected RRM algorithms sequentially.